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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07H19/00 C07H19/207

A61K31/343

C. DOCUMENTS CONSIDERED TO BE RELEVANT

A61K31/665

C07D307/88 A61P35/00

C07F9/655

A61K31/70

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

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X	WO 94 29331 A (SLOAN KETTERING I ;UNIV ROCHESTER (US)) 22 December 1994 (1994-12-22) claims 1-3,8,11,22	NST CANCER	1,2,8,9, 15,16, 36,37, 43,44, 50,51, 60-63,68
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X Furti	ner documents are listed in the continuation of box C.	X Patent family members are listed i	n annex.
•	tegories of cited documents : ant defining the general state of the art which is not	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or the	mational filing date the application but
consid	ered to be of particular relevance document but published on or after the international	invention "X" document of particular relevance; the cl	
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other i	ent referring to an oral disclosure, use, exhibition or means	document is combined with one or mo ments, such combination being obviou in the art.	is to a person skilled
"P" docume later ti	ent published prior to the international filling date but nan the priority date claimed	"&" document member of the same patent	amily
Date of the	actual completion of the international search	Date of mailing of the international sea	rch report
2	4 April 2002	2 3. 07. 200 2	
Name and	nailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Fitz, W	
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International Application No
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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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Х	WO 98 15563 A (CODON PHARMACEUTICALS INC) 16 April 1998 (1998-04-16)		1,2,8,9, 15,16, 36,37, 43,44, 50,51, 60-63,68
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International Application No PCT/US 01/49231

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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
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	abstract; claim 1	00 05		
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International application No. PCT/US 01/49231

INTERNATIONAL SEARCH REPORT

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims 22-53,56-68 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This Inte	emational Searching Authority found multiple inventions in this international application, as follows:
·	see additional sheet
∴1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
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4. X	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1,2,8,9,15,16,22,23,29,30,36,37,43,44,50-55,60-63,68 partially
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Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1,2,8,9,15,16,22,23,29,30,36,37,43,44,50-55,60-63, 68 partially

Dinucleoside diphosphate derivatives of formula I, claim 1, wherein R is a nucleoside analogue with a 6-membered heterocycle as defined in formulae II and III; pharmaceutical compositions containing them; uses thereof.

2. Claims: 1,2,8,9,15,16,22,23,29,30,36,37,43,44,50-55,60-63, 68 partially

Nucleoside diphosphate derivatives of formula I, claim 1, wherein R is a mycophenol derivative with a sidechain of at least 3 C-atoms as defined in formula IV; pharmaceutical compositions containing them; uses thereof.

3. Claims: 3,10,17,24,31,38,45,56-59, 64-67 completely; claims 1,2,8,9,15,16,22,23,29,30, 36,37,43,44,50-55,60-63,68 partially

Nucleoside diphosphate derivatives of formula I, claim 1, wherein R is a mycophenol derivative with a C2-sidechain as defined in formula V; pharmaceutical compositions containing them; uses thereof.

4. Claims: 2,9,16,23,30,37,44,50-55,60-63,68 partially

Thiazofurin derivatives as defined in claim 2; pharmaceutical compositions containing them; uses thereof.

5. Claims: 4,11,18,25,32,39,46,50-55,60-63,68 partially

Derivatives of mycophenolic alcohols, aldehydes and acids with a C2-sidechain as defined in claim 4; pharmaceutical compositions containing them; uses thereof.

6. Claims: 4,11,18,25,32,39,46,50-55,60-63,68 partially

Derivatives of mycophenolic alcohols, aldehydes and acids with a C4-sidechain as defined in claim 4; pharmaceutical compositions containing them; uses thereof.

7. Claims: 4,11,18,25,32,39,46,50-55,60-63,68 partially

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Derivatives of mycophenolic alcohols, aldehydes and acids with a C6-sidechain as defined in claim 4; pharmaceutical compositions containing them; uses thereof.

8. Claims: 5,12,19,26,33,40,47,50-55,60-63,68 partially

Mycophenolic phosphates, phosphonates and sulfonates with a C2-sidechain as defined in claim 5; pharmaceutical compositions containing them; uses thereof.

9. Claims: 5,12,19,26,33,40,47,50-55,60-63,68 partially

Mycophenolic phosphates, phosphonates and sulfonates with a C2-sidechain as defined in claim 5; pharmaceutical compositions containing them; uses thereof.

10. Claims: 6,13,20,27,34,41,48 completely; claims 50-55, 60-63,68 partially

Mycophenolic hydrocarbyl derivatives as defined in claim 6; pharmaceutical compositions containing them; uses thereof.

11. Claims: 7,14,21,28,35,42,49-55,60-63,68 partially

Derivatives of mycophenolic diphosphates with a C2-sidechain as defined in claim 7; pharmaceutical compositions containing them; uses thereof.

12. Claims: 7,14,21,28,35,42,49-55,60-63,68 partially

Derivatives of mycophenolic diphosphates with a C4-sidechain as defined in claim 7; pharmaceutical compositions containing them; uses thereof.

International Application No PCT/US 01/49231

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